

Amendment to the claims:

- 1) (Currently amended) A compression device for the limb of a mobile patient comprising:
an inflatable sleeve adapted to surround the limb;
a conduit attached to said sleeve for delivering fluid to said
sleeve; and
a portable, wearable controller attached to said conduit that
generates and controls the flow of fluid in the device, wherein the sleeve
comprises a leg cuff and a foot cuff, and the leg cuff comprises only three cells,
a gaiter cell, adapted to wrap around the lower limb in the region closest to the
ankle, a mid-calf cell, adapted to wrap around the lower limb above the region
occupied by the gaiter cell and an upper cell adapted to wrap around the lower
limb in the region between the mid-calf cell and the knee.
- 2) (Original) The compression device as claimed in claim 1 wherein said controller
comprises a microprocessor control system and a pump.
- 3) (Original) The compression device as claimed in claim 1 wherein at least one pressure
sensor is associated with said sleeve.

Claim 4 (canceled)

- 5) (Original) The compression device as claimed in claim 1 wherein said sleeve is
low profile and discrete.

Claim 6 (canceled)

- 7) (Original) The compression device as claimed in claim 6 wherein said leg and foot cuffs
are anatomically shaped to provide compression on those parts of the leg or foot which
have the greatest effect on blood flow.
- 8) (Original) The compression device as claimed in claim 1 further comprising a sock
interposed between said sleeve and the limb.

Claim 9 (canceled)

- 10) (Original) The compression device as claimed in claim 1 wherein said controller is battery operated.
- 11) (Currently amended) The compression device as claimed in claim [[4]] 1 wherein each cell is monitored by a sensor.

Claims 12-13 (canceled)

- 14) (Currently amended) The compression device as claimed in claim [[9]] 1 wherein said cells may be pressurised to the same or different predetermined pressures.

Claims 15-18 (canceled)

19. (New) A method of preventing or treating venous insufficiency, oedema, DVT or post-thrombotic syndrome comprising applying a compression device of claim 1 to the limb of a mobile patient.
20. (New) A compression device for the limb of a mobile patient comprising:
an inflatable sleeve adapted to surround the limb;
a conduit attached to said sleeve for delivering fluid to said sleeve; and
a portable, wearable controller attached to said conduit that generates and controls the flow of fluid in the device, wherein the sleeve comprises a leg cuff and a foot cuff, and a sock is interposed between said sleeve and the limb.